

waste management.

Precludes additional credit for CIVE 3307.

Prerequisite: fourth-year registration.

Lectures three hours a week, problem analysis 1.5 hours each week.

CIVE 4500 [0.5 credit] (formerly 82.450)

Computer Methods in Civil Engineering

Advanced software development for Civil Engineering applications. Examples may be chosen from surveying, transportation, geotechnical and/or structural engineering. Software technologies include object-oriented programming, data base management, Internet-based applications and graphical user interfaces.

Prerequisites: ECOR 2606 and fourth-year registration.

Lectures three hours a week, problem analysis three hours alternate weeks.

CIVE 4600 [0.5 credit] (formerly 82.460)

Advanced Building Systems

Architecture as a multi-disciplinary endeavour with emphasis on the architect's role and responsibility. Relationship of design intentions to support, enclosure, services, interior finishes with emphasis on contemporary concerns and means in architecture. Basic concepts of structural analysis and design.

Precludes additional credit for ARCC 2103.

Prerequisites: ARCC 1001 and CIVE 1005.

Lectures three hours a week, laboratory one hour a week.

CIVE 4905 [0.5 credit] (formerly 82.495)

Professional Practice

Presentations by faculty and external lecturers on the Professional Engineers Act, professional ethics and responsibilities practice within the discipline and its relationship with other disciplines and to society, health and safety, environmental stewardship, principles and practice of sustainable development. Communication skills are emphasized.

Precludes additional credit for MAAE 4905, SYSC 3905 and ELEC 3905.

Prerequisite: fourth-year registration.

Lectures three hours a week.

CIVE 4907 [1.0 credit] (formerly 82.497)

Engineering Project

A major project in engineering analysis, design, development or research carried out by individual students or small teams. The objective is to provide an opportunity to develop initiative, self-reliance, creative ability and engineering judgment. A project proposal, an interim report, an oral presentation, and a comprehensive final report are required.

CIVE 4908 [0.5 credit] (formerly 82.498)

Design Project

Teams of students develop professional level experience through a design project that incorporates fundamentals acquired in previous mathematics, science, engineering, and complementary studies courses. A final report and oral presentations are required.

Prerequisite: fourth-year registration.

Lectures one hour a week, problem analysis seven hours a week.

Classical Civilization (CLCV)

College of the Humanities

Faculty of Arts and Social Sciences

CLCV 1000 [1.0 credit]

Introduction to Classics

An introduction to the study of Greek and Roman antiquity and to the discipline of Classics and its methodologies. The culture and society will be set in their historical context and studied through readings from representative ancient authors (in English translation) and through the art and architecture of the period.

Precludes additional credit for FYSM 1106, CLCV 1002, CLCV 1003, and CLCV 1109.

Lectures two hours a week.

CLCV 1002 [0.5 credit] (formerly 13.102*)

Survey of Greek Civilization

An introduction to the study of Greek antiquity and the discipline of Classics and its methodologies. The culture and society will be set in their historical context and studied through readings from representative ancient authors (in English translation) and through the art and architecture of the period.

Precludes additional credit for FYSM 1106, CLCV 1000, and CLCV 1109.

Lectures two hours a week.

CLCV 1003 [0.5 credit] (formerly 13.103*)

Survey of Roman Civilization

An introduction to the study of Roman antiquity and the discipline of Classics and its methodologies. The culture and society will be set in their historical context and studied through readings from representative ancient authors (in English translation) and through the art and architecture of the period.

Precludes additional credit for FYSM 1106, CLCV 1000, and CLCV 1109.

Lectures two hours a week.

CLCV 2000 [1.0 credit] (formerly 13.200)

Classical Mythology

A study of classical mythology, emphasizing its use in Greek and Roman literature and its place in classical art and religion. There is some discussion of classical myths in terms of contemporary interpretations of myth. (All texts used are in English).

Precludes additional credit for CLCV 3000.

Prerequisite: second-year standing or registration in the B.Hum. program or permission of the unit.

Lectures and discussion three hours a week.

CLCV 2006 [0.5 credit] (formerly 13.206*)

Plato and Aristotle

An historical and critical study of some central issues in the philosophy of Plato and of Aristotle. (Also listed as PHIL 2006).

Precludes additional credit for PHIL 2005.

Prerequisite: at least 0.5 credit in Philosophy or second-year standing.

Lectures three hours a week.

CLCV 2007 [0.5 credit] (formerly 13.207*)

Western Phil.: 300 BC - AD 1200

The evolution of western philosophy from the fourth through the twelfth century: theories of human nature, knowledge and reality are traced from the Hellenistic philosophers through the early medieval synthesis of reason with Christianity. Several thinkers (e.g. Plotinus, Augustine, and Anselm) are studied in depth. (Also listed as PHIL 2007.)

Precludes additional credit for PHIL 2205.

Prerequisite: CLCV 2006 or permission of the Philosophy department.

Lectures three hours a week.

CLCV 2009 [1.0 credit] (formerly 13.209)

Greek & Roman Literary Genres

A study through English translation of the various genres of Greek and Latin literature, especially those which influenced later European writings: epic, drama, the ode, pastoral poetry, satire. (Also listed as ENGL 2009.)

Prerequisite: second-year standing or permission of the unit.

Lectures two hours a week.

CLCV 2102 [0.5 credit] (formerly 13.212*)

Graeco-Roman Religions

A study of religion in the ancient Mediterranean, concentrating on the rise of individualism, life after death, mystery religions, hero cults, gnosticism, asceticism, and magic. (Also listed as RELI 2102.)

Lecture three hours a week.

CLCV 2300 [1.0 credit] (formerly 13.230)

Introduction to Archaeology

The interrelation of archaeology and anthropology, history, classics, art history, etc. Techniques of field archaeology such as stratigraphy, air photography, surveying, Carbon 14, typology and seriation, underwater archaeology, laboratory analysis; and the organization and administration of a major excavation.

Precludes additional credit for CLCV 2301.

Prerequisite: second-year standing or permission of the unit.

Lectures two hours a week.

CLCV 2302 [0.5 credit] (formerly 13.232*)

Greek & Roman Art & Archaeology

The art, architecture and archaeology of Greece and Rome. Vase painting, sculpture, Greek and Roman architecture, town planning and analogous arts are studied. (Also listed as ARTH 2100.)

Prerequisite: second-year standing or permission of the Department.

Lectures two hours a week.

CLCV 2305 [1.0 credit] (formerly 13.235)

Ancient Science and Technology

The development of science and technology in the ancient world and their practical application in such fields as ancient engineering, machinery, metallurgy, transport, building, agriculture and Hippocratic medicine; the position of the craftsman and artisan in society, the attitude of the intellectuals to science and manual labour, and the effect upon technological development of the institution of slavery. This course is suitable for students with no previous knowledge of Greece or Rome. (Also listed as TSES 2305.)

Prerequisite: second-year standing or permission of the unit.

Lectures two hours a week.

CLCV 2900 [1.0 credit] (formerly 13.290)

History of Ancient Greece

The history of classical Greece to the conquest of Asia by Alexander with special attention to the development of her characteristic institutions. (Also listed as HIST 2900.)

Prerequisite: second-year standing or permission of the unit.

Lectures two hours a week.

CLCV 2901 [1.0 credit] (formerly 13.291)

History of Ancient Rome

The history of ancient Rome, her organization and expansion especially during the late Republic and early Empire. (Also listed as HIST 2901.)

Prerequisite: second-year standing or permission of the unit.

Lectures two hours a week.

CLCV 3001 [0.5 credit] (formerly 13.301*)

Early Greek Philosophy

A study of the pre-Socratic Greek philosophers and of the Sophists and Socrates. (Also listed as PHIL 3001.)

Precludes additional credit for PHIL 2005.

Prerequisite: CLCV 2006 or permission of the Philosophy department.

Lecture three hours a week.

CLCV 3002 [1.0 credit] (formerly 13.302)

The Later Roman Empire

The study of major developments - administrative, ecclesiastical, cultural and societal - of the later Roman Empire. (Also listed as HIST 3002.)

Prerequisite: a 2000-level Classical Civilization course.

Lectures three hours a week.

CLCV 3201 [0.5 credit] (formerly 13.321*)

Studies in Greek History

A study of one of the major periods or themes of ancient Greek history. Contents of this course vary from year to year. (Also listed as HIST 3009)

Prerequisite: CLCV 2900 or permission of the unit.

Lectures two hours a week.

CLCV 3202 [0.5 credit] (formerly 13.322*)

Studies in Roman History

A study of one of the major periods or themes of the history of ancient Rome. Topic for 2004-2004: The Julio-Claudian dynasty (Tiberius to Nero). (Also listed as HIST 3101.)

Prerequisite: CLCV 2901 or permission of the unit.

Lectures two hours a week.

CLCV 3300 [1.0 credit] (formerly 13.330)

Archaeological Field Work

Students will participate for a minimum of five weeks in the excavation of an archaeological site. In addition they will study stratigraphic analysis and the recording and processing of finds. Written reports on specific aspects of the particular excavation are required.

Prerequisites: CLCV 2300 (old CLCV 2301) and permission of the School, or permission of the unit.

CLCV 3305 [0.5 credit] (formerly 13.335*)

Studies in Greek and Roman Art

A study of a period or theme in the art and archaeology of Ancient Greece and Rome. Topics may vary from year to year. (Also listed as ARTH 3101.)

Prerequisite: second-year standing or permission of the unit.

Lectures three hours a week.

CLCV 3701 [0.5 credit] (formerly 13.371*)

Studies in Greek Literature

A study of an author or topic in Greek literature. Topic for 2003-2004: Women and Tragedy in 5th-Century B.C. (Athens).

Prerequisite: second-year standing or permission of the School.

Lectures two hours a week.

CLCV 3702 [0.5 credit] (formerly 13.372*)

Studies in Roman Literature

A study of an author or topic in Roman literature.

Prerequisite: second-year standing or permission of the unit.

Lectures two hours a week.

CLCV 3900 [0.5 credit] (formerly 13.390*)

Directed Studies

Supervised readings and research projects chosen in consultation with the Supervisor of Undergraduate Studies.

Prerequisite: third-year standing or permission of the unit.

CLCV 3901 [0.5 credit] (formerly 13.391*)

Directed Studies

Supervised readings and research projects chosen in consultation with the Supervisor of Undergraduate Studies.

Prerequisite: third-year standing or permission of the unit.

CLCV 4207 [1.0 credit] (formerly 13.427)

Topics in Classics

A seminar on historical and literary aspects of a particular period of antiquity. Intended for third- and fourth-year students.

Prerequisites: CLCV 2009, one of CLCV 2900, CLCV 2901, CLCV 3201, CLCV 3202; and permission of the unit.
Seminar two hours a week.

CLCV 4208 [1.0 credit] (formerly 13.428)

Topics in Ancient Literature

Intended for third- and fourth-year students.

Prerequisites: CLCV 2009 and permission of the unit.
Seminar two hours a week.

CLCV 4209 [1.0 credit] (formerly 13.429)

Topics in Ancient History

Intended for Honours students in History and Classics who should normally be in the third- or fourth-years. (Also listed as HIST 4209.)

Prerequisites: CLCV 2900 or CLCV 2901 or CLCV 3201 or CLCV 3202 and permission of the unit.
Seminar two hours a week.

CLCV 4300 [1.0 credit] (formerly 13.430)

Archaeological Field Work II

Students will participate for a minimum of five weeks in a position of responsibility in the excavation of an archaeological site. They will be responsible for excavating and for the recording, processing and analysis of finds. A specialized report on a particular aspect of the excavation is required.

Prerequisites: CLCV 3300 and permission of the unit.

CLCV 4900 [0.5 credit] (formerly 13.490*)

Directed Readings and Research

These courses consist of supervised readings and research projects in a specific area of Classical Civilization to be chosen in consultation with the Honours Supervisor.

Prerequisites: fourth-year Honours standing and permission of the unit.

CLCV 4901 [0.5 credit] (formerly 13.491*)

Directed Readings and Research

These courses consist of supervised readings and research projects in a specific area of Classical Civilization to be chosen in consultation with the Honours Supervisor.

Prerequisites: fourth-year Honours standing and permission of the unit.

CLCV 4902 [0.5 credit] (formerly 13.492*)

Directed Readings and Research

These courses consist of supervised readings and research projects in a specific area of Classical Civilization to be chosen in consultation with the Honours Supervisor.

Prerequisites: fourth-year Honours standing and permission of the unit.